

SUB  
C2  
11. (Amended) An image forming apparatus comprising:

an image forming unit for forming a toner image on a medium,

a supply of toner in which the amount of the toner measured by gel permeation chromatography to have a weight average molecular weight of 500 to 1000 is less than 10 parts by

B2 weight with respect to 100 parts by weight of the entire toner,

a flash fixing unit for performing flash fixation of the toner on said medium, and

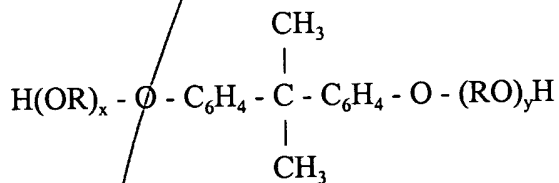
a filter for collecting dust of said apparatus.

SUB  
C3  
13. (Amended) The image forming method of claim 9, wherein:

the amount of the toner having a weight average molecular weight of 500 or less, measured by gel permeation chromatography, is less than 4 parts by weight with respect to 100 parts by weight of the entire toner.

B3  
14. (Amended) The image forming method of claim 9, wherein:

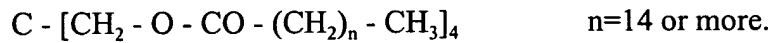
said binding agent resin comprises at least a polyester resin prepared from a polyester alcohol component consisting of a bisphenol-A-alkylene oxide additive, as an alcohol, expressed by the chemical formula given below, and an acid:



where, R is ethylene or propylene, and x and y are both integers equal to 1 or more.

16. (Amended) The image forming method of claim 9, wherein:

said toner further includes 0.01 to 10 parts by weight for 100 parts by weight of the toner of the compound given by chemical formula given below:



17. (Amended) The image forming method of claim 9, wherein:

said toner further includes a polypropylene compound with a weight average molecular weight average of 10,000 or more.

<sup>SUP</sup>  
<sub>B4</sub> 18. (Amended) The image forming method of claim 9, wherein:

the amount of the toner having a weight average molecular weight of 500 or less, as measured by gel permeation chromatography, is less than 4 parts by weight with respect to 100 parts by weight of the entire toner; and

said developer includes a carrier having an average particle diameter of 30 to 100  $\mu\text{m}$ .

19. (Amended) The image forming method of claim 9, wherein said amount of the toner measured by gel permeation chromatography to have a weight average molecular weight of 500 to 1000 is 5 parts by weight or less with respect to 100 parts by weight of the entire toner.

B5 22. (Amended) The image forming method of claim 9, wherein the filter is a high efficiency particulate air filter.

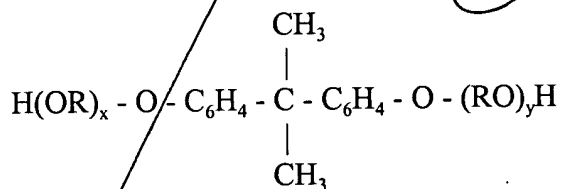
✓  
Please add new claims 23-32 as follows:

SUB C3 23. The image forming apparatus of claim 11, wherein:

the amount of the toner having a weight average molecular weight of 500 or less, measured by gel permeation chromatography, is less than 4 parts by weight with respect to 100 parts by weight of the entire toner.

24. The image forming apparatus of claim 11, wherein:

B6 said binding agent resin comprises at least a polyester resin prepared from a polyester alcohol component consisting of a bisphenol-A-alkylene oxide additive, as an alcohol, expressed by the chemical formula given below, and an acid:



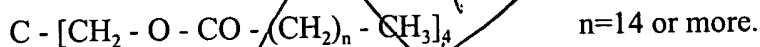
where R is ethylene or propylene, and x and y are both integers equal to 1 or more.

25. The image forming apparatus of claim 11, wherein:

x and y in the formula for said bisphenol-A-alkylene oxide additive are 1, and R is ethylene in up to 60 mole % or more of said polyester alcohol component.

26. The image forming apparatus of claim 11, wherein:

said toner further includes 0.01 to 10 parts by weight for 100 parts by weight of the toner of the compound given by chemical formula given below:



27. The image forming apparatus of claim 11, wherein:

said toner further includes a polypropylene compound with a weight average molecular weight average of 10,000 or more.

28. The image forming apparatus of claim 11, wherein:

the amount of the toner having a weight average molecular weight of 500 or less, as measured by gel permeation chromatography, is less than 4 parts by weight with respect to 100 parts by weight of the entire toner; and

said developer includes a carrier having an average particle diameter of 30 to 100  $\mu\text{m}$ .

29. The image forming apparatus of claim 11, wherein said amount of the toner measured by gel permeation chromatography to have a weight average molecular weight of 500 to 1000 is 5 parts by weight or less with respect to 100 parts by weight of the entire toner.

30. The image forming apparatus of claim 11, wherein said acid contains a terephthalic acid.

By: Yasushige NAKAMURA et al.  
Serial No. 10/084,327

Group Art Unit: 1756  
Examiner: Christopher D. Rodee

31. The image forming apparatus of claim 11, wherein said alcohol component contains more than 90 mole % of said bisphenol-A-alkylene oxide additive.

32. The image forming apparatus of claim 11, wherein the filter is a high efficiency particulate air filter.

---

B6  
cont.